

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	71115	fuel with injector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:19
L2	5829	cool\$3 with needle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:19
L3	577512	heat with exchange \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:19
L4	12	1 and 2 and 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:19
L5	89	1 and 2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:21
L6	39	5 and (conduit or duct or passageway)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:22
L7	317	239/125.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:25

L8	83	7 and cool\$3	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:25
L9	23	8 and (fuel with injector)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:25
L10	0	239/132.2.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:35
L11	280	239/132.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:35
L12	1028	239/135.ccls.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/22 10:36
S1	4833	Fuel injector and duct	US-PGPUB; USPAT	AND	ON	2006/05/15 05:32
S2	2624	S1 and cooling duct	US-PGPUB; USPAT	AND	ON	2006/05/11 10:37
S3	1188	S1 and bore	US-PGPUB; USPAT	AND	ON	2006/05/11 10:37
S4	116	S3 and "239"/\$. ccls.	US-PGPUB; USPAT	AND	ON	2006/05/11 10:38

S5	17	("3224679"   "3266552"   "3285007"   "3972690"   "4070826"   "4216908"   "4644878"   "4858538"   "5127346"   "5570580"   "5577386"   "5642621"   "6351948"   "6457316").PN. OR ("6775984").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/11 10:49
S6	255	fuel injector near cooling	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/11 10:50
S7	17	"5765755"	US-PGPUB; USPAT	AND	ON	2006/05/12 12:00
S8	4833	fuel injector and duct	US-PGPUB; USPAT	AND	ON	2006/05/12 12:00
S9	565	S8 and needle	US-PGPUB; USPAT	AND	ON	2006/05/12 12:01
S10	86	S9 and cooling and annular	US-PGPUB; USPAT	AND	ON	2006/05/12 12:05
S12	38768	surround same chamber	US-PGPUB; USPAT	AND	ON	2006/05/12 12:06
S13	2623	S12 and fuel injection	US-PGPUB; USPAT	AND	ON	2006/05/12 12:07
S14	510	S13 and needle	US-PGPUB; USPAT	AND	ON	2006/05/12 12:07
S15	348	S14 and bore	US-PGPUB; USPAT	AND	ON	2006/05/12 12:07
S16	1230	S13 and cooling	US-PGPUB; USPAT	AND	ON	2006/05/12 12:07
S17	127	S14 and cooling	US-PGPUB; USPAT	AND	ON	2006/05/12 12:16
S18	106948	annular same chamber	US-PGPUB; USPAT	AND	ON	2006/05/12 12:16
S19	2771	S18 and needle and surround	US-PGPUB; USPAT	AND	ON	2006/05/12 12:16
S20	12266	fuel injector and cooling	US-PGPUB; USPAT	AND	ON	2006/05/12 12:17
S21	68	S19 and S20	US-PGPUB; USPAT	AND	ON	2006/05/12 12:17
S22	301906	nozzle	US-PGPUB; USPAT	AND	ON	2006/05/13 13:47

S23	301906	nozzle	US-PGPUB; USPAT	AND	ON	2006/05/13 13:47
S24	208101	needle	US-PGPUB; USPAT	AND	ON	2006/05/13 13:48
S25	400304	bore	US-PGPUB; USPAT	AND	ON	2006/05/13 13:48
S26	649455	cooling	US-PGPUB; USPAT	AND	ON	2006/05/13 13:48
S27	147286	duct	US-PGPUB; USPAT	AND	ON	2006/05/13 13:48
S28	820758	housing	US-PGPUB; USPAT	AND	ON	2006/05/13 13:48
S29	0	S22 same S24 same S25 same S26 same S27 same S28	US-PGPUB; USPAT	AND	ON	2006/05/13 13:49
S30	117	S22 same S25 same S26 same S27	US-PGPUB; USPAT	AND	ON	2006/05/13 13:59
S31	4	"4094465"	US-PGPUB; USPAT	AND	ON	2006/05/13 14:14
S32	419	239/128	US-PGPUB; USPAT	AND	ON	2006/05/13 14:14
S33	18	("1982023"   "2175450"   "2231937"   "2699358"   "3128948"   "3945353"   "5860394"   "5884850"   "6000638"   "6053432"   "6196195"   "6460785"   "RE35079").PN. OR ("7028918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/13 14:17
S34	19	("3315652"   "3945353"   "4094465"   "4267977"   "4284037"   "4434940"   "4625682"   "4860700"   "5044339").PN. OR ("5860394").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/13 15:09
S35	885	123/41.31	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/13 15:09

S36	885	123/41.31	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/13 15:37
S37	4	"6565017"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/13 15:37
S38	3	"6354520"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/13 15:37
S39	294	239/132	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S40	287	239/133	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S41	1095	239/135	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S42	81	239/88-93	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S43	1245	239/533.2	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S44	1485	239/585.1	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S45	499	239/585.3	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S46	849	239/585.4	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S47	805	239/585.5	US-PGPUB; USPAT	AND	ON	2006/05/15 05:33
S48	5621	((chamber or duct or region) with (cool \$3 or (heat with exchange))) and (fuel with injector)	US-PGPUB; USPAT	AND	ON	2011/02/15 11:20
S49	628	S48 and height and ratio	US-PGPUB; USPAT	AND	ON	2011/02/15 11:24
S50	90	S49 and needle	US-PGPUB; USPAT	AND	ON	2011/02/15 11:24
S51	9	"2746901"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/02/15 11:57

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L13	0	(fuel and injector and housing and needle and nozzle and bore and seat and axial and dimension and lower and portion and cooling and duct and plane and height and height and medium and line and area and cross and sectional and proximate and second and first and twice).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/02/22 10:51
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**2/ 22/ 2011 11:48:10 AM****C:\ Documents and Settings\ tmcgraw\ My Documents\ EAST\ Workspaces\ 10559207.wsp**